

QY 3367 TCGTCCTCTGCTTTGATGCTCTTCTCAAGGTGACACTGACTGAGATGTTCTTTACTG 3426
 Db 28679 TCGTCCTCTGCTTTGATGCTCTTCTCAAGGTGACACTGACTGAGATGTTCTTTACTG 28738
 QY 3427 ACTGAGATGTTCTCTGGCATGCTAAATCATGATGATTAAGTGAACCAAAATATGATGCA 3486
 Db 28739 ACTGAGATGTTCTCTGGCATGCTAAATCATGATGATTAAGTGAACCAAAATATGATGCA 28738
 QY 3487 ACATACGACATGATATAGTCCACCATCAGCATCTCATATGATTTTAACTGTGCG 3546
 Db 28799 ACATACGACATGATATAGTCCACCATCAGCATCTCATATGATTTTAACTGTGCG 28858
 QY 3547 TGTATTAACCTCTTAAAGATAGTGAACCAAAAGTATCTATC 3589
 Db 28859 TGTATTAACCTCTTAAAGATAGTGAACCAAAAGTATCTATC 28901

RESULT 34
 LOCUS G36524 390 bp mRNA linear STS 31-DEC-1997
 DEFINITION SHGC-53209 Human Homo sapiens STS CDNA, sequence tagged site.
 ACCESSION G36524
 VERSION G36524.1 GI:2734191
 KEYWORDS STS.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
 REFERENCE 1 (bases 1 to 390)
 AUTHORS Myers, R.M.
 TITLE Human STSs (1997)
 JOURNAL Unpublished (1997)
 COMMENT

Contact: Richard M. Myers
 Stanford Human Genome Center (SHGC)
 Stanford University School of Medicine
 Department of Genetics, M-344, Stanford, CA 94305, USA
 Tel: 4157259687
 Fax: 4157259689
 Email: myers@shgc.stanford.edu
 Primer A: AATTCGCTTCAATAGCTTGAAC
 Primer B: TCCATCATTTTAACTGTCG
 STS size: 186
 PCR Profile:
 Initial incubation: 95 degrees C for 10 minutes
 Denaturation: 94 degrees C for 30 seconds
 Annealing: 60 degrees C for 30 seconds
 Polymerization: 72 degrees C for 23 seconds
 PCR Cycles: 30
 Thermal Cycler: Perkin Elmer 9600
 Protocol:
 Template: 25 ng
 Primer: each 1 uM
 dNTPs: each 200 uM
 Ampliflag Gold Polymerase: 0.07 units/ul
 Total Vol: 5 ul
 Buffer: MgCl2: 2.5 mM
 KCl: 50 mM
 Tris-HCl: 10 mM
 pH: 8.3

FEATURES
 source Prepared with primer pairs derived from R43629 -- Unigene.
 Location/Qualifiers
 1..390
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /map="3"
 /clone_11b="Human"

STS 51..236
 primer_bind 51..74
 primer_bind complement(215..236)
 ORIGIN

Query Match 5.9%; Score 224; DB 11; Length 390;
 Best Local Similarity 100.0%; Pred. No. 2.6e-112;
 Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3537 AATCTGCGGATATTAATCTTAAAGATATGACCAAAAGTATCATATCTTT 3596
 Db 224 AACTGTGCGGATATTAATCTTAAAGATATGACCAAAAGTATCATATCTTT 165
 QY 3597 TACTTCCCATGATGCAAAATGATGTTGCCACATGATATCAACCTTCATCAAAAG 3656
 Db 164 TACTTCCCATGATGCAAAATGATGTTGCCACATGATATCAACCTTCATCAAAAG 105
 QY 3657 GACCCGAAAGTGTAGGCAATGTCCTCTCTGTTAAACCTATTGAACCA 3716
 Db 104 GACCCGAAAGTGTAGGCAATGTCCTCTCTGTTAAACCTATTGAACCA 45
 QY 3717 TGTGACTTTTAAATTAAGTATTAATCAATTAATAAAAAA 3760
 Db 44 TGTGACTTTTAAATTAAGTATTAATCAATTAATAAAAAA 1

RESULT 35
 LOCUS AR414259 482 bp DNA linear PAT 18-DEC-2003
 DEFINITION Sequence 1896 from patent US 6639063.
 ACCESSION AR414259
 VERSION AR414259.1 GI:40169369
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.
 REFERENCE 1 (bases 1 to 482)
 AUTHORS Edwards, J.-B. D. M., Jobert, S. and Giordano, J.-Y.
 TITLE ESTs and encoded human proteins
 JOURNAL Patent: US 6639063-A 1996 28-OCT-2003;
 LOCATION/Qualifiers
 source 1..482
 /organism="unknown"
 /mol_type="genomic DNA"

ORIGIN
 Query Match 5.1%; Score 194; DB 6; Length 482;
 Best Local Similarity 100.0%; Pred. No. 1.4e-95;
 Matches 194; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1524 CTGACTGATGATCAAGGCCCCCTCTCTGATGACCACTGATGACCATGCTGTGTTAGTAA 1583
 Db 173 CTGACTGATGATCAAGGCCCCCTCTCTGATGACCACTGATGACCATGCTGTGTTAGTAA 232
 QY 1584 CAGAACGAAACCAATGCAAGGCAATCTTCTGAGAGTGTGGACAGATGCCAAGG 1643
 Db 233 CAGAACGAAACCAATGCAAGGCAATCTTCTGAGAGTGTGGACAGATGCCAAGG 292
 QY 1644 AATGAAGCTTCTGAAGCCATCCCAATATCAAGTTAGGGATTCACGGTTATGCTTTGCA 1703
 Db 293 AATGAAGCTTCTGAAGCCATCCCAATATCAAGTTAGGGATTCACGGTTATGCTTTGCA 352
 QY 1704 ATCAAAATATATG 1717
 Db 353 ATCAAAATATATG 366

RESULT 36
 LOCUS BD109812 482 bp DNA linear PAT 18-SEP-2002
 DEFINITION EST and encoded human protein.
 ACCESSION BD109812
 VERSION BD109812.1 GI:23204630

Db 181 ATTGTTACCTCATAGACATATGATTTATTTGGTGTGAAGACTACACAGACTG 240

QY 2749 GAGACTTTTGGTGTGAGATCGAGGGAGCTGTGAGCAAAATTCCTAATGGGCTCT 2898

Db 241 GAGACTTTTGGTGTGAGATCGAGGGAGCTGTGAGCAAAATTCCTAATGGGCTCT 300

QY 2809 TTAAGAAATTAACCTTTATGATCTACCAAGCCATGTAG 2848

Db 301 TTAAGAAATTAACCTTTATGATCTACCAAGCCATGTAG 340

RESULT 44
AA815447 428 bp mRNA linear EST 31-DEC-1998
LOCUS a155c04.s1 Soares testis NHT Homo sapiens cDNA clone 1375686 3'
DEFINITION similar to TR:008535 008535 VOLTAGE-GATED CALCIUM CHANNEL
ALPHA2/DELTA SUBUNIT, ALPHA2D ISOFORM. [1] ;, mRNA sequence.
AA815447
ACCESSION AA815447.1 GI:2885043
VERSION AA815447.1
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 428)
AUTHORS NCI-CCAP <http://www.ncbi.nlm.nih.gov/ncicgap>.
TITLE National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index
JOURNAL Unpublished (1997)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgapdb-remail.nih.gov
CDNA Library Preparation: M. Bento Soares, Ph.D., M. Fatima
Bonaldo, Ph.D.
DNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CCAP clone distribution information can be
found through the I.M.A.G.E. Consortium/ILMIL at:
www-bio.liml.gov/bdrip/image/image.html
Insert Length: 544 Std Error: 0.00
Seq primer: -40m13 fwd. ET from Amersham
High quality sequence stop: 426.
Location/Qualifiers
1..428
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="1375686"
/sex="male"
/lab_host="DH10B"
/clone_lib="Soares testis NHT"
/note="Vector: pT733-Pac (pharmacia) with a modified
polylinker; Site_1: Not I; Site_2: Eco RI; 1st strand cDNA
was prepared from mRNA obtained from Clontech
laboratories, Inc., and primed with a Not I - oligo(dT)
primer [5].
TGTACCAATCTGAGTGGAGCGCGCCCAATTTTCTTTTCTTTT 3'.
Double-stranded cDNA was ligated to Eco RI adaptors
(pharmacia), digested with Not I and cloned into the Not I
and Eco RI sites of the modified pT733 vector. Library
went through one round of normalization to Cot5, and was
constructed by Bento Soares and M. Fatima Bonaldo."

ORIGIN
Query Match 7.4%; Score 278; DB 9; Length 428;
Best Local Similarity 99.7%; Pred. No. 8.7e-42;
Matches 328; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1579 GTAAGCAGAACCAACAGATGGAAGGCGATCTTCTGAGAGTGTGGCAGATGTC 1638

Db 428 GTAAGCAGAACCAACAGATGGAAGGCGATCTTCTGAGAGTGTGGCAGATGTC 369

QY 1639 CAGTAAAGAACTTCTGAGACCATCCCAATACAGTTAGGATTCACGGTTATGCT 1698

Db 368 CAGTAAAGAACTTCTGAGACCATCCCAATACAGTTAGGATTCACGGTTATGCT 309

QY 1699 TTGCATTCACAAATATATGRTTATCTGAGACCATCCGGAATCGGCTGTAGCAG 1758

Db 308 TTGCATTCACAAATATATGRTTATCTGAGACCATCCGGAATCGGCTGTAGCAG 249

QY 1759 AAGAAAAAGGAGAAAGAAACCTTAATAGTAGGCTGACCTCTCTAGAGTGAAGTGG 1818

Db 248 AAGAAAAAGGAGAAAGAAACCTTAATAGTAGGCTGACCTCTCTAGAGTGAAGTGG 189

QY 1819 AAGACCGAGATGACGTGTGAGAAATGCTATGCTGAATCGAAGCGGGAGTTTCCA 1878

Db 188 AAGACCGAGATGACGTGTGAGAAATGCTATGCTGAATCGAAGCGGGAGTTTCCA 129

QY 1879 TGGAGGTGAAGAAAGACAGTGAACAAGG 1907

Db 128 TGGAGGTGAAGAAAGACAGTGAACAAGG 100

RESULT 45
BE768727 332 bp mRNA linear EST 20-SEP-2000
LOCUS QV2-FT0010-090800-304-e12 FT0010 Homo sapiens cDNA, mRNA sequence.
DEFINITION BE768727
ACCESSION BE768727.1 GI:10222385
VERSION BE768727.1
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 332)
AUTHORS Dias Neto,E., Garcia Correa,R., Verjovski-Almeida,S., Briones,M.R.,
Nagal,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.F.,
Goldman,G.H., Carvalho,A.F., Matsukuma,A., Bala,G.S., Simpson,D.H.,
Brunstein,A., deOliveira,P.S., Bucher,P., Jongeneel,C.V.,
O'Hare,M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and
Simpson,A.J.
Shotgun sequencing of the human transcriptome with ORF expressed
sequence tags
Proc. Natl. Acad. Sci. U.S.A. 97 (7), 3491-3496 (2000)
20202663
10737800
JOURNAL Contact: Simpson A.J.G.
MEDLINE Laboratory of Cancer Genetics
PUBMED Ludwig Institute for Cancer Research
Contact: Rina Prot. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
Brazil
Tel: +55-11-2704922
Fax: +55-11-2707001
Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(<http://www.ludwig.org.br/scripts/getctm2.pl?cl=kt2-QV2-FT0010-090>)
800-304-e12ct3-2000-08-09kt4=1)
Seq primer: puc 18 forward
High quality sequence stop: 330.
Location/Qualifiers
1..332
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/dev_stage="Adult"
/clone_lib="FT0010"
/note="Organ: prostate tumor; Vector: puc18; Site_1: SmaI;
Site_2: SmaI; A mini-library was made by cloning products
derived from ORFESTES PCR (U.S. Letters Patent application
No. 196,716 - Ludwig Institute for Cancer Research)
profiles into the pUC 18 vector. Reverse transcription of
tissue mRNA and cDNA amplification were performed under
low stringency conditions."

ORIGIN
Query Match 7.2%; Score 272; DB 10; Length 332;